ARLECDON & FRIZINGTON

URBAN DISTRICT.

Twenty-fifth

Annual Report

OF

JAMES I. LACE,

Medical Officer of Health,

FOR

1908.

Frizington:
H. CRELLIN, Printer, Stationer, &c., 30 Main Street,
1909.

THIRLMERE HOUSE,

FRIZINGTON,

via Carnforth.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Report for the year 1908, being the Twenty-fifth Annual Report I have made as Medical Officer of Health for the Urban District of Arlecdon and Frizington, together with the usual Statistical Tables of Births and Deaths, showing the Birth-rate and Death-rate from different causes during the year. As regards the Vital Statistics, the estimated population of the District up to the middle of the year 1908 is 5,200, being similar to that of last year. There were registered during the year 155 births, viz. : 65 boys and 90 girls ; giving a birth-rate of 29·80 per 1,000 of the population. During the year there were registered 84 deaths, equivalent to a death-rate of 16·15 per 1,000 per annum. But 2 deaths occurred in Whitehaven Infirmary and 2 in the Whitehaven Workhouse ; these being added to those registered in the District bring the total deaths in or belonging to the District, as shown in Table IV., to be 88 ; so that making allowance for these 4, the death-rate of the District for 1908 was 16·92. The excess of births over deaths, representing the natural increase of the population was 71 for the year.

The Death-rate for the quarterly periods, were :—

1st Quarter	...	17·88	...	31 deaths
2nd ,,	...	10-38	...	18 ,,
3rd ,,	...	8·76	...	14 ,,
4th ,,	...	12·11	...	21 ,,

The mortality of children under one year of age (including premature births) numbered 19, being the same in number as that of the previous year. Measured by the proportion of deaths to the births registered, the Infantile Mortality in the District was equal to 122 per 1,000 per annum. The death-rate of children under five years of age to one hundred deaths at all ages in 1908 was 29·76. The number of deaths of persons aged 65 and upwards numbered 21, giving a death-rate of 25·00 per hundred deaths at all ages. The number of deaths due to the nine chief Zymotic or Preventable Diseases during 1908 was five—one of Measles, one of Whooping Cough, and three of Diarrhœa.

Under the Infectious Disease (Notification) Acts, 1889 and 1899, 27 cases were notified during the year, being 14 more than last year. There were 22 cases of Scarlet Fever and five of Erysipelas. The whole of the Scarlet Fever cases were removed to the District Infectious Disease Hospital at Galemire. The rooms from which these patients were removed were thoroughly disinfected and fumigated by the Sanitary Inspector. The Erysipelatous cases were of a simple cutaneous variety and were treated at home.

The number of deaths due to Pulmonary Tuberculosis, or Consumption were nine—two more than that of last year and equal to 1.73 per 1,000 per annum. Three deaths were ascribed to Cancer during the year 1908, being similar in number to that of the previous year.

The District is well sewered, and the method of its disposal is on the principle of broad irrigation. The removal and disposal of House Refuse is done by the Authority, and the Council's Scavenger visits the different parts of the village twice a week. The house accommodation is adequate and suitable for the population, with a sufficiency of open air space. One new house has been erected during the year 1908. The Sanitary condition of our Elementary Schools is fairly good, and they have an excellent water supply from the Urban Authority.

The source of our water supply is from a powerful spring in Cogra Valley, which is both abundant and wholesome, and admirably adapted for domestic use. The spring is situated in the midst of an extensive upland pasture, free from cultivation and uninhabitated.

I have inspected and visited the Fried Fish Shops in the District and found them well kept. During the year different portions of the District from time to time have been inspected by the Sanitary Inspector and myself, and monthly reports have been furnished to the Council. The character and wholesomeness of our milk supply is good, being mostly provided within the District by various farmers, who keep cows, and act as purveyors of milk by retail to the people in our villages and neighbourhood.

Under the "Sale of Food and Drugs Act," several test raids were made by the County Police, and 12 samples of articles were submitted to the County Analyst, viz. : nine of milk, one of coffee, one of whiskey, and one of sweets. All these samples were found on analysis to be genuine.

I append the Annual Report of your Sanitary Inspector, which gives the particulars of the work done by him during the year.

I am, Gentlemen,

Your obedient servant,

J. I. LACE,

Medical Officer of Health.

THE ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
ON
FACTORIES AND WORKSHOPS, FOR THE YEAR 1908.

Mr. Chairman and Gentlemen,

I have now pleasure in placing before you my Annual Report on the administration of the Factories and Workshops Act in our District for the year 1908. During the year various and independent visits have been made both by your Sanitary Inspector and myself to the Factories and Workshops in the District. We found nothing to complain of in regard to their sanitation, air-space, ventilation and general cleanliness. There are 29 Factories and Workshops in the District—six of the former and 23 of the latter. Nine are occupied by Dressmakers ; 4 by Milliners ; 2 by Plumbers ; 2 by Blacksmiths ; 2 by Cloggers ; 2 by Joiners ; 1 as a Bakehouse, and 1 as a Shoe-shop.

Copies of this Report are forwarded to the Home Office, the Local Government Board, and the County Council.

I am, Gentlemen, yonr obedient servant,

J. I. LACE, M. O. H.

FACTORIES AND WORKSHOPS.

Inspection.—Including Inspections made by Sanitary Inspector.

Premises.	Number of Inspections	Number of Written Notices	Number of Prosecutions
Factories ...	61	nil.	nil.
Workshops ...	11	nil.	nil.
Total ...	72	nil.	nil.

Council Chambers,

Main Street,

FRIZINGTON.

Mr. Chairman and Gentlemen,

I have pleasure in laying before you the Sanitary Inspector's Twenty-fifth Annual Report which gives you a summary of the work done under your Authority for the year ending December, 1908.

Summary shewing particulars of work done under the Sanitary Authority for the year ending December, 1908 :—

Inspections of Dwelling Houses	1,490
,, Workshops	72
,, Cowsheds and Dairies	25
Nuisances recorded	120
Dwelling Houses Fumigated	20
Slaughter Houses visited	12
New Houses erected	1
Hawker's Carts containing Fish examined ...	39

All Nuisances recorded were abated upon receipt of notice.

Nothing of Importance has taken place to require the Sanitary Authority's interference

I am, Gentlemen, your obedient servant,

GEO. ASHBRIDGE, A.R.S.I.,

Sanitary Inspector.

Table I.—Births.

The total number of Births, Male and Female, Legitimate and Illegitimate, and Birth-rate per 1,000 of the population of the District, and the percentage of Illegitimate to the total Births.

DISTRICTS.	Estimated Population to the Middle of 1908.	BIRTHS. Legitimate. Male.	Legitimate. Female.	Illegitimate Male.	Illegitimate Female.	1908 Total	Rate per 1,000 Population. 1908.	Percentage of Illegitimate. 1908.
Whillimoor Arlecdon	1,680	21	24	1	2	48	—	6·25
Frizington	3,520	39	61	4	3	107	—	6·54
The Entire District	5,200	60	85	5	5	155	29.80	6·45

Table II.—Deaths from the Nine Chief Zymotic Diseases.

Smallpox	0	
Scarlatina	0	
Diphtheria	0	
Membranous Croup	0	
Typhus Fever	0	= 5
Enteric or Typhoid Fever	0	
Measles	1	
Whooping Cough	1	
Diarrhœa	3	

Table III.—Summary.

	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Population ...	5,050	5,050	5,050	5,050	5,600	6,000	5,639	5,400	5,200	5,650	5,750	5,750	5,900	5,900	5,950	5,860	5,341	5,341	5,290	5,200	5,140	5,100	5,200	5,200
Total Births ...	208	194	172	174	192	235	204	213	206	207	195	161	171	144	184	170	176	171	172	148	140	163	163	155
Annual Birth-rate per 1,000 population	41·18	38.41	34·05	34·45	34·29	39·16	36·17	39·44	39·61	36·63	33·91	28·00	29·00	24·40	30·92	29·01	32·95	32·01	32·57	28·46	27·23	31·96	31·35	29·80
Total Deaths ...	82	80	82	78	95	11 2	77	75	91	68	90	72	88	83	82	(103) 102	66	62	78	81	94 100	88 92	76	88 84
Annual Mortality per 1,000 population ...	16·23	15·84	16·23	15·44	16·29	18·66	13·65	13·88	17·50	12·03	15·65	12·52	14·91	14·06	13.78	17·40	12·35	11·60	15·14	15·57	19·45	18·03	14·61	16·92

Table IV.—For Whole District.

Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents regist'd in Public Institutions in District.	Deaths of Residents registered in Public Institutions bey'nd Dist'ct	Nett Deaths at all ages belonging to the District.	
				Under 1 Year of Age.		At all Ages.						
		No.	Rate *	No.	Rate per 1,000 Births regist'd.	No.	Rate *				No.	Rate *
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
1898	5,900	144	24·40	18	125	83	14·06					
1899	5,950	184	30·92	24	130	82	13·78	...	...	...	...	...
1900	5,860	170	29·01	22	129	103	17·57		...		...	...
1901	5,341	176	32·95	22	125	66	12·35	...		...		
1902	5,341	171	32·01	11	64	62	11·60		...		...	...
1903	5,290	172	32·57	22	127	78	14·74		...		...	...
1904	5,200	148	28·46	25	168	81	15·57	...		...		
1905	5,140	140	27·23	20	135	94	18·28		...		...	...
1906	5,100	163	31·96	22	135	88	17·25		...		...	...
1907	5,200	163	31.35	19	116	71	13·65	...		...		
Av'r'ges for years 1898-1907	5,200	163	31·35	19	116·6	71	13 65					
1908	5,200	155	29·80	19	122·58	84	16·15	...	...	4	88	16·92

*—Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the substraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-Residents" is meant persons brought into the District on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those in which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums.

Institutions outside the district receiving sick and infirm persons from the district; Whitehaven Union Workhouse, Whitehaven Infirmary, Garlands Lunatic Asylum, Carlisle; also Galemire Fever or Infectious Disease Hospital, near Cleator Moor.

Area of District in Acres (exclusive of area covered by water)	...	...	5,556·340
Total Population at all ages, at Census of 1901	...	...	5,341
Number of Inhabited Houses ,, ,,	...	...	1,050
Average number of persons per house ,,	...	...	5

Table V.

Year.	Population estimated to middle of each year.	Births registered	Deaths at all ages	Deaths under One Year.
1898 ...	5,900	144	83	18
1899 ...	5,950	184	82	24
1900 ...	5,860	170	103	22
1901 ...	5,341	176	66	22
1902 ...	5,341	171	62	11
1903 ...	5,290	172	78	22
1904 ...	5,200	148	81	25
1905 ...	5,140	140	94	20
1906 ...	5,100	163	88	22
1907 ...	5,200	163	76	19
Averages of Years 1891 to 1907 ...	5,432·1	167·1	81·3	20·5
1908 ..	5,200	155	84	19

Table VI.—Cases of Infectious Disease notified during the Year 1908.

Notifiable Diseases.	Cases notified in Whole District.						
	At all Ages.	At Ages.—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
Smallpox	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...
Membranous Croup	...	...	...	...	...	...	...
Erysipelas	5	...	...	...	...	4	1
Scarlet Fever ...	22	...	7	15	...	...	...
Typhus Fever ...	...	...	...	...	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	...	...
Continued Fever ...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Totals ...	27	...	7	15	...	4	1

22 cases were removed to the Hospital; 22 of Scarlet Fever.
Galemire Joint Fever Hospital, situated in the Whitehaven Union Rural Council's District, near Cleator Moor. 20 available beds. About 6 Diseases can be concurrently treated.

Table VII.—Causes of and Ages at Death during Year 1908.

Causes of Death.	Deaths in whole District at subjoined Ages.							
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Deaths in Public Institutions
Smallpox								
Measles	1							
Scarlet Fever ...			1					
Whooping-cough ...	1	1						
Diphtheria & Membranous Croup ...								
Croup								
Fever { Typhus ...								
Fever { Enteric ...								
Fever { Other continued ...								
Epidemic Influenza ...								
Cholera								
Plague								
Diarrhœa	3	3						
Enteritis								
Puerperal Fever ...								
Erysipelas								
Other Septic Diseases ...								
Phthisis	9		1	1		7		2
Other Tubercular Diseases	2	1		1				
Cancer, Malignant Disease	3					2	1	
Bronchitis	5	1				3	1	
Pneumonia	7	2	1			4		
Pleurisy								
Other Diseases of Respiratory Organs ...	2	1			1			
Alcoholism } Cirrhosis of Liver } ...								
Venereal Diseases ...								
Premature Birth ...								
Diseases and Accidents of Parturition ...								
Heart Diseases ...	7					4	3	
Accidents	4		1			3		
Suicides	1					1		
All other causes ...	39	10	2	3		8	16	2
All causes ...	84	19	6	5	1	32	21	4

Table VIII.—Infantile Mortality during the Year 1908. *Deaths from stated Causes in Weeks and Months under One Year of Age.*

Cause of Death.	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year
Common Infectious Diseases: Small-pox ...																	
Chicken-pox ...																	
Measles ...																	
Scarlet Fever ...																	
Diphtheria : Croup																	
Whooping Cough									1								1
Diarrhœal Diseases: Diarrhœa, all forms										1	1						2
Enteritis (*not* (*Tuberculous*) Gastritis Gastro-intestinal catarrh		1			1												1
Wasting Diseases: Premature Birth ...																	
Congenital Defects															1		1
Injury at Birth ...																	
Want of Breast-milk																	
Atrophy, Debility, Marasmus	1				1	1	1	1		1						1	6
Tuberculous Diseases: Tuberculous Meningitis ...																	
Tuberculous Peritonitis : Tabes Mesenterica																	
Other Tuberculous Diseases ...								1									1
Erysipelas ...																	
Syphilis																	
Rickets																	
Meningitis (*not Tuberculous*)																	
Convulsions ...																	
Bronchitis ...								1									1
Laryngitis ...																	
Pneumonia ...								1					1				2
Suffocation, overlaying																	
Other causes ...														1			1
		1	1	1	3												3
	1	2	1	1	5	1	1	4	1	2	1		1	1	1	1	19

Births in the year : legitimate 145 ; illegitimate 10. Population estimated to middle of 1908, 5,200. Deaths in the year of legitimate infants, 18 ; illegitimate infants, 1. Deaths from all causes at all ages, 19.